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METROLOGIC INSTRUMENTS, INC.

MS2xxx Stratos® Series
Configuration Addendum

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IMPORTANT NOTES - BEFORE YOU START

It is important to carefully read the notes marked with a [!] symbol on the pages contained in this manual. Not all configuration codes are designed to be used for both a single and dual cable scanner/scale system. Many of the configuration bar codes require additional steps before the unit can be configured and placed into service. Most of the bar codes in this addendum were designed to be used with a Stratos model that includes a scale. The text marked with an [!] symbol will provide important additional information about the restrictions and uses of the bar codes shown.

All of the bar codes in this manual require:

- The scanner/scale to have a firmware number of 14996 or higher
- All configuration bar codes must be scanned with the vertical window

The bar codes (starting with 996) located on pages 5 - 19 also require the scanner/scale to:

- Be in scale program mode (*see page 2*)
- Be calibrated, sealed and certified by local Weights and Measures authorities ***after*** the scale configuration process has been completed. The scanner/scale can not be placed in service until it is sealed and certified by the proper authorities.

  For further details on calibration procedures for Weights and Measures certification, refer to *the Scale Operation: Calibration* section of the Stratos Installation and User's Guide.

The certification of the weighing mechanism of the scale version of this scanner is subject to federal, state and local Weights and Measures statutes and regulations and can only be performed by authorized government agencies and/or their duly registered agents. Each time the scale or weighing mechanism is calibrated, it should be properly sealed with a paper seal or a wire seal prior to being placed into service in commerce.

It is the responsibility of the owner of the scale to confirm compliance with the relevant Weights and Measures statutes and regulations applicable in your area by checking with the appropriate government agency before placing a newly calibrated unit into service or removing any official seals.

The following steps are **only** required for the scale configuration bar codes located on pages 5 - 19 (*bar codes beginning with 996*).

1. **Power down** the scanner/scale. Then, temporarily remove the scale platter and place it in a safe location.

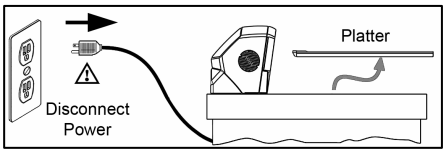


Figure 1.

2. **Cut and remove** the security seal over the program/calibration switch cover. See *Figure 2* below for seal location on the StratosE and the StratosH models. See *Figure 3* on page 3 for the seal location on the StratosS.

Once the security seal is cut the unit **can not** be place in service until it is calibrated, sealed and certified by local Weights and Measures authority.

3. **Remove** the M3 screw securing the switch cover in place. Store the cover and screw in a safe location. They will be needed again after the scale is configured and calibrated.

Always follow all Electro-Static Discharge (ESD) procedures when exposing the internal scanner/scale components.

4. **Enter the scale program mode** by sliding the switch to the *program* position. See *Figure 2* below for the switch location on the StratosE and StratosH. See *Figure 3* on page 3 for the switch location on the StratosS.

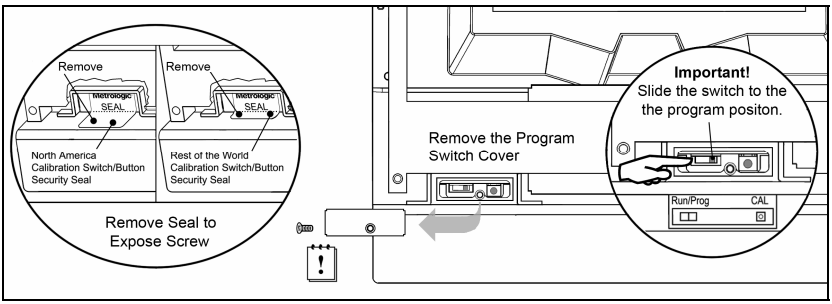


Figure 2. StratosE and StratosH Calibration Seal and Switch Location

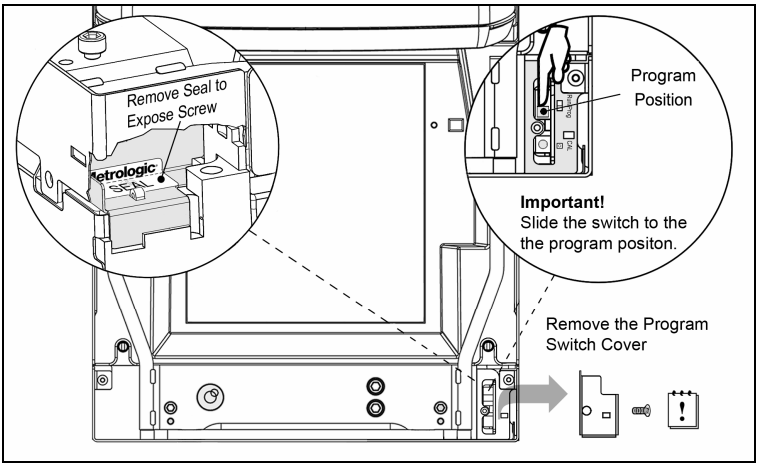


Figure 3. StratosS Calibration Seal and Switch Location

5. **Disconnect** the *scale-to-host* RS232 cable from the unit (*dual cable interface only)*.

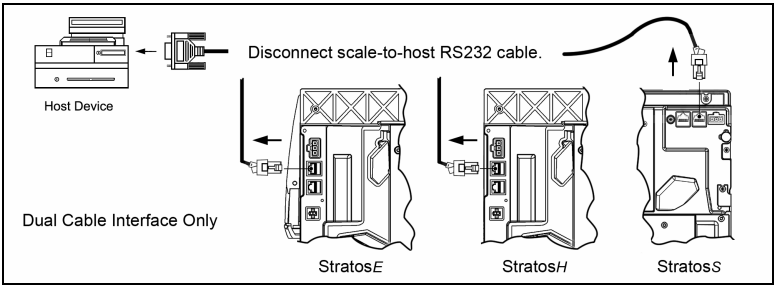


Figure 4. Disconnect scale-to-host RS232 Cable

6. **Reinstall** the platter and connect AC power to the scanner.

Check the AC input requirements of the power supply to make sure the voltage matches the AC outlet. The outlet should be located near the equipment and be easily accessible.

Metrologic recommends using a switched AC outlet. The switch should be located on the operator's side of the checkout counter in close proximity to the scanner/scale to facilitate calibration and service of the unit.

To maintain compliance with applicable standards, all circuits connected to the scanner must meet the requirements for SELV (Safety Extra Low Voltage) according to EN/IEC 60950-1.

To maintain compliance with standard CSA C22.2 No. 60950-1/UL 60950-1 and norm EN/IEC 60950-1, the power source should meet applicable performance requirements for a limited power source.

7. If the system is equipped with a remote scale display, it will read H - - -.

8. Use the vertical window to **scan** the desired **scale configuration bar codes**, located on pages 5 - 19.

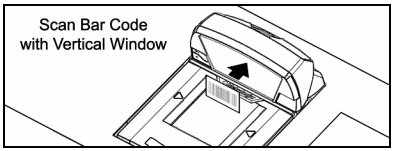


Figure 5.

9. **Reconnect** the scale-to-host RS232 cable to the scanner *(dual cable interface only)*.

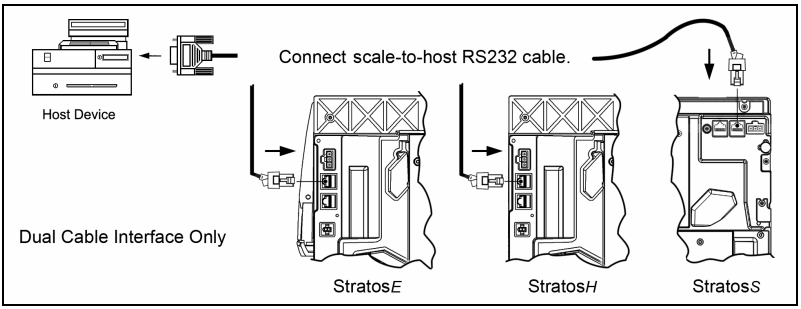


Figure 6.

10. **The scale must now be calibrated, tested and certified by local Weights and Measures authorities before it can be placed in service.**
For further details on calibration procedures for Weights and Measures certification, refer to *the Scale Operation: Calibration* section of the Stratos Installation and User's Guide.

> The certification of the weighing mechanism of the scale version of this scanner is subject to federal, state and local Weights and Measures statutes and regulations and can only be performed by authorized government agencies and/or their duly registered agents. Each time the scale or weighing mechanism is calibrated, it should be properly sealed with a paper seal or a wire seal prior to being placed into service in commerce.
>
> It is the responsibility of the owner of the scale to confirm compliance with the relevant Weights and Measures statutes and regulations applicable in your area by checking with the appropriate government agency before placing a newly calibrated unit into service or removing any official seals.
>
> Type of seal to be used will depend on the guidelines specified by the local Weights and Measures authorities.

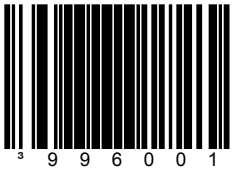
Single or Dual Cable Scale Configuration Bar Codes

Unit Configuration (Pounds or Kilograms**)**

The following bar codes can be used to configure a **Single or Dual Cable** MS2xx0.

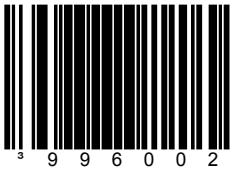
The MS2xx0 **must** be in scale program mode to use these bar codes.

Scale = Pounds



Set the scale measuring range from 0.00 to 30.00 **pounds**.

Scale = Kilograms



Set the scale measuring range from 0.000 to 15.000 **kilograms**.

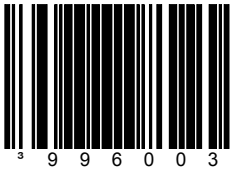
Single or Dual Cable Scale Configuration Bar Codes

Pole Display Configuration

The following bar codes can be used to configure a **Single or Dual Cable** MS2xx0.

The MS2xx0 **must** be in scale program mode to use these bar codes.

Scale Has Display



Set the scale to **use** a remote display to show all scale activity.

A remote display **must** be plugged into the *Scale RS485 to Display* connector on the MS2xx0 (*see Figure 7*) for this feature to function properly.

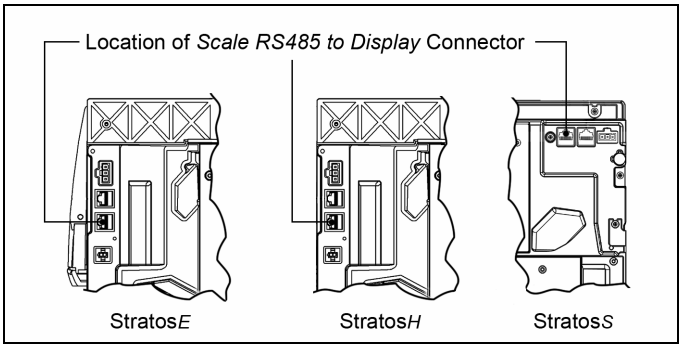
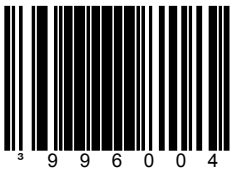


Figure 7. Location of Scale RS485 to Display Connector

Scale Has No Display



Set the scale to **not use** a remote display. All weights are expected on a POS terminal display.

A remote display **can not** be plugged into the *Scale RS485 to Display* connector on the scanner/scale (*see Figure 7*) or this feature will not function properly.

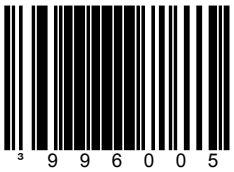
Single or Dual Cable Scale Configuration Bar Codes

Scale Settling Filter Configuration

> The following bar codes can be used to configure a **Single or Dual Cable** MS2xx0.
>
> The MS2xx0 **must** be in scale program mode to use these bar codes.

The scale's filter setting allows the unit to withstand a certain amount of vibration from the checkout counter. A stronger filter allows for more vibration to be absorbed but the weight may take a little longer to settle. Scales are normally shipped with a loose filter.

* Scale = Loose Filter



Loose filter setting for low vibration environments.

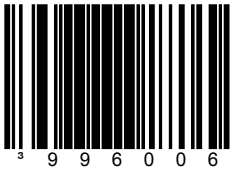
** Factory Default Setting*

Single or Dual Cable Scale Configuration Bar Codes

Scale Settling Filter Configuration

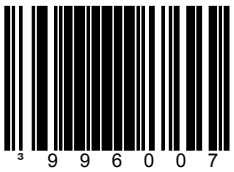
> The following bar codes can be used to configure a **Single or Dual Cable** MS2xx0.
>
> The MS2xx0 **must** be in scale program mode to use these bar codes.

Scale = Medium Filter



Medium filter setting for moderate vibration environments.

Scale = Strong Filter



Strong filter setting for high vibration environments.

Single or Dual Cable Scale Configuration Bar Codes

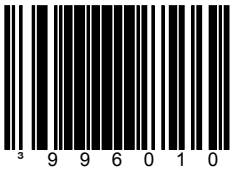
Scroll Weight Configuration

The following bar codes can be used to configure a **Single or Dual Cable** MS2xx0.

The MS2xx0 **must** be in scale program mode to use these bar codes.

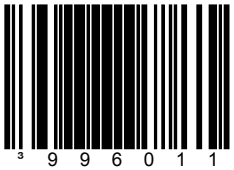
These bar codes only affect the pole display.

Scale = Scroll Settling Weight



Scroll the weight on the display showing the weight as it changes.

Scale = Blank Non-Steady



Blank the display weight as it changes. Display stable weights only.

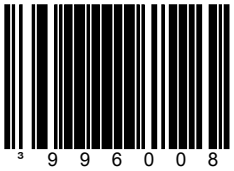
Dual Cable Scale Configuration Bar Codes

Price Computing Configuration

The following bar codes are only used when the scale is in **Dual Cable** mode.

The MS2xx0 **must** be in scale program mode to use these bar codes.

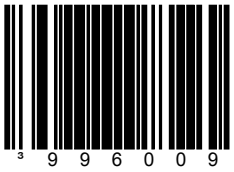
* Scale = No Price Computing



Scale is not the price computing type.

** Factory Default Setting*

Scale = Price Computing



Scale is the price computing type.

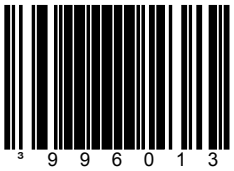
Dual Cable Scale Configuration Bar Codes

Scale Protocols

The following bar codes will change *scale* parameters intended for a **Dual Cable** environment. To place the *scanner* in **Dual Cable** mode, please refer to page 20.

The MS2xx0 **must** be in scale program mode to use these bar codes.

Scale = EPOS Protocol

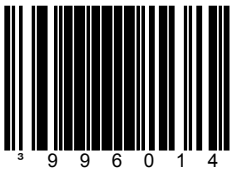


Set the scale RS232 protocol to Serial EPOS.

Communication Port Settings:

- 2400 Baud
- 7 Data Bits
- 1 Stop Bit
- Even Parity

Scale = EPOS2 Protocol



Set the scale RS232 protocol to Modified Serial EPOS.

This Protocol does not require the POS terminal to send the weight back to the scale for validation.

Communication Port Settings:

- 2400 Baud
- 7 Data Bits
- 1 Stop Bit
- Even Parity

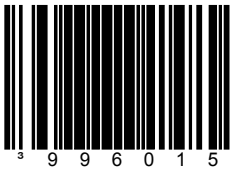
Dual Cable Scale Configuration Bar Codes

Scale Protocols

The following bar codes will change *scale* parameters intended for a **Dual Cable** environment. To place the *scanner* in **Dual Cable** mode, please refer to page 20.

The MS2xx0 **must** be in scale program mode to use these bar codes.

Scale = NCI-ECR Protocol

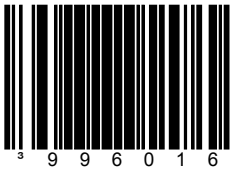


Set the scale RS232 protocol to NCI-ECR.

Communication Port Settings:

- 9600 Baud
- 8 Data Bits
- 1 Stop Bit
- No Parity

Scale = NCI Protocol



Reserved for Future NCI Protocol Variation

Dual Cable Scale Configuration Bar Codes

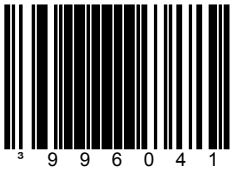
Scale Protocols

The following bar codes will change *scale* parameters intended for a **Dual Cable** environment. To place the *scanner* in **Dual Cable** mode, please refer to page 20.

The MS2xx0 **must** be in scale program mode to use these bar codes.

Scale = EMEA

Special Configuration



Set the scale to Avery EPOS protocol, kilograms, with a remote display, loose filter, no price computing, and scroll weight.

Communication Port Settings:

- 2400 Baud
- 7 Data Bits
- 1 Stop Bit
- Even Parity

Dual Cable Scale Configuration Bar Codes

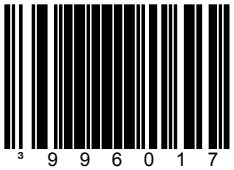
COM Port Settings (Baud Rate)

The following bar codes will change *scale* parameters intended for a **Dual Cable** environment.

If a *Scale Protocol* bar code from page 11 or 13 is used, the bar codes below must be scanned **after** the *Scale Protocol* bar code in order to be effective.

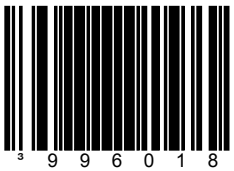
The MS2xx0 **must** be in scale program mode to use these bar codes.

Scale = 2400 Baud Rate



Set the scale baud rate for dual cable applications to **2400 baud**.

Scale = 9600 Baud Rate



Set the scale baud rate for dual cable applications to **9600 baud**.

Dual Cable Scale Configuration Bar Codes

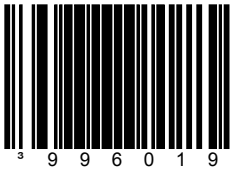
COM Port Settings (Baud Rate)

The following bar codes will change *scale* parameters intended for a **Dual Cable** environment.

If a *Scale Protocol* bar code from page 11 or 13 is used, the bar codes below must be scanned **after** the *Scale Protocol* bar code in order to be effective.

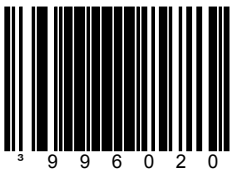
The MS2xx0 **must** be in scale program mode to use these bar codes.

Scale = 19200 Baud Rate



Set the scale baud rate for dual cable applications to **19200 baud**.

Scale = 38400 Baud Rate



Set the scale baud rate for dual cable applications to **38400 baud**.

Dual Cable Scale Configuration Bar Codes

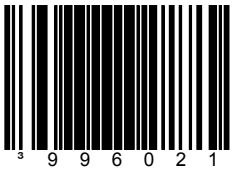
COM Port Settings (Data Bits & Parity)

The following bar codes will change *scale* parameters intended for a **Dual Cable** environment.

If a *Scale Protocol* bar code from page 11 or 13 is used, the bar codes below must be scanned **after** the *Scale Protocol* bar code in order to be effective.

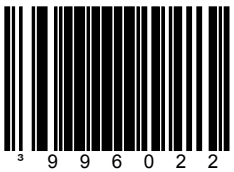
The MS2xx0 **must** be in scale program mode to use these bar codes.

Scale = 7 Data Bits, Odd Parity



Set the scale communication parameters to 7 data bits, odd parity.

Scale = 7 Data Bits, Even Parity



Set the scale communication parameters to 7 data bits, even parity.

Dual Cable Scale Configuration Bar Codes

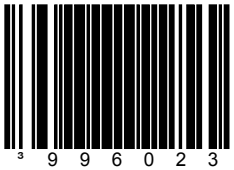
COM Port Settings (Data Bits & Parity)

The following bar codes will change *scale* parameters intended for a **Dual Cable** environment.

If a *Scale Protocol* bar code from page 11 or 13 is used, the bar codes below must be scanned **after** the *Scale Protocol* bar code in order to be effective.

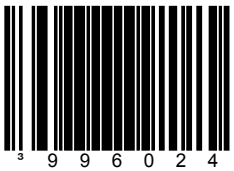
The MS2xx0 **must** be in scale program mode to use these bar codes.

Scale = 8 Data Bits, No Parity



Set the scale communication parameters to 8 data bit, no parity.

Scale = Odd Parity



Set the scale communication to odd parity.

Dual Cable Scale Configuration Bar Codes

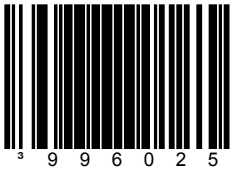
COM Port Settings (Data Bits & Parity)

The following bar codes will change *scale* parameters intended for a **Dual Cable** environment.

If a *Scale Protocol* bar code from page 11 or 13 is used, the bar codes below must be scanned **after** the *Scale Protocol* bar code in order to be effective.

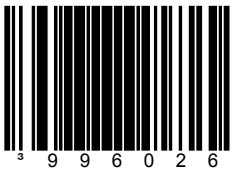
The MS2xx0 **must** be in scale program mode to use these bar codes.

Scale = Even Parity



Set the scale communication to even parity.

Scale = No Parity



Set the scale communication to no parity.

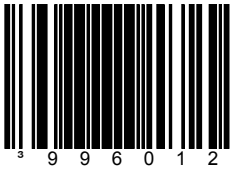
Single Cable Scale Configuration Bar Codes

Set Scale for Single Cable Communication

The MS2xx0 **must** be in scale program mode to use this bar code.

If your application requires single cable communication, scan the following barcode to set the scale configuration to the single cable defaults as required by the scanner.

Scale = Single Cable Interface



Set the scale to communicate via the single-cable interface.

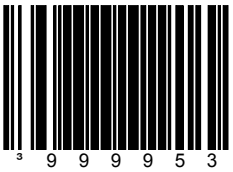
Dual Cable Scanner Configuration Bar Codes

Dual Cable Scanner Mode

The following bar codes can be used to place, as well as configure, the *scanner* in **Dual Cable** mode.

The MS2xx0 **does not** need to be in scale program mode to use the following bar codes.

Scanner = Dual Cable Mode



Places the *scanner* in **Dual Cable** mode.

In a dual cable environment, the scanner and scale work independently. In this mode the host must have a dedicated RS232 port to receive the scale data and the barcode data is sent via its own cable to a separate communication port.

Communication Port Settings:

- 9600 Baud, 8 Data Bits, 1 Stop Bit, No Parity

There are two methods of configuring the **scanner** to a stand-alone protocol:

- Scan the Dual Cable Mode bar code on this page (if a scale is used)
  or
- If no scale is required, scan one of the single cable protocols on pages 22 - 29 and then scan the *No Scale* bar code on page 38.

Dual Cable Scanner OPOS Mode

Scanner Only
Dual Cable OPOS Defaults

Use this barcode when the scanner is to be setup using the OPOS drivers in the dual cable mode.

Communication Port Settings:

- 9600 Baud
- 8 Data Bits
- 1 Stop Bit
- No Parity

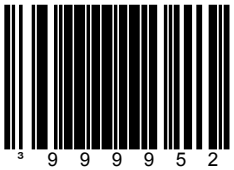
Dual Cable Scanner Configuration Bar Codes

IBM 3rd Generation 46xx and IBM OEM Full Speed USB

The following bar codes can be used to configure a **Dual Cable** MS2xx0.

The following codes **do not** require that the MS2xx0 to be in scale program mode.

IBM 3rd Generation Communication

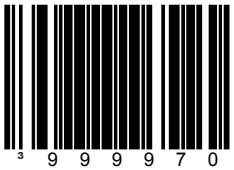


When scanned the Stratos will operate as a table top scanner only.

Terminal configuration, IBM 4690.OS terminal device group configuration screen select:

#1 scanner or
#3 scanner.

IBM OEM Full Speed USB Communication Defaults



When scanned the Stratos will operate as a table top scanner only.

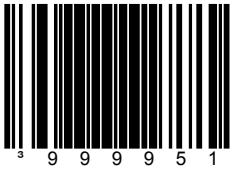
Single Cable Protocols for POS Compatibility

MSS Global

The following bar codes can be used to configure a **Single Cable** MS2xx0.

The following codes **do not** require that the MS2xx0 to be in scale program mode.

MSS Global, English

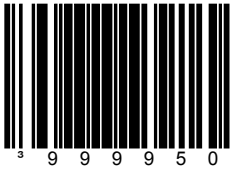


Scanner/Scale, **Single Cable** RS232 MSS Global Retail, English Units

Communication Port Settings:

- 9600 Baud
- 7 Data Bits
- 1 Stop Bit
- Odd Parity

MSS Global, Metric



Scanner/Scale, **Single Cable** RS232 MSS Global Retail, Metric Units

Communication Port Settings:

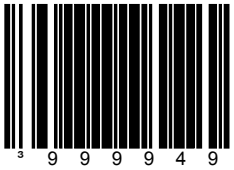
- 9600 Baud
- 7 Data Bits
- 1 Stop Bit
- Odd Parity

Single Cable Protocols for POS Compatibility

ISS45

> The following bar codes can be used to configure a **Single Cable** MS2xx0.
>
> The following codes **do not** require that the MS2xx0 to be in scale program mode.

ISS45, English

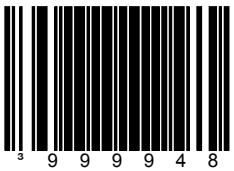


Scanner/Scale, **Single Cable** RS232
ISS45, English Units

Communication Port Settings:

- 9600 Baud
- 7 Data Bits
- 1 Stop Bit
- Even Parity

ISS45, Metric



Scanner/Scale, **Single Cable** RS232
ISS45, Metric Units

Communication Port Settings:

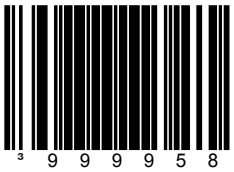
- 9600 Baud
- 7 Data Bits
- 1 Stop Bit
- Even Parity

Single Cable Protocols for POS Compatibility

OPOS

> The following bar codes can be used to configure a **Single Cable** MS2xx0.
>
> The following codes **do not** require that the MS2xx0 to be in scale program mode.

OPOS, English

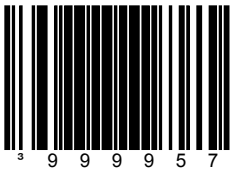


Scanner/Scale **Single Cable** RS232 OPOS, English Scale Defaults

Communication Port Settings:

- 9600 Baud
- 8 Data Bits
- 1 Stop Bit
- No Parity

OPOS, Metric



Scanner/Scale **Single Cable** RS232 OPOS, Metric Scale Defaults

Communication Port Settings:

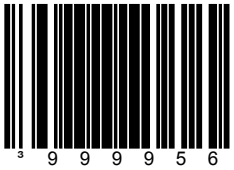
- 9600 Baud
- 8 Data Bits
- 1 Stop Bit
- No Parity

Single Cable Protocols for POS Compatibility

Retailix/NCR

> The following bar codes can be used to configure a **Single Cable** MS2xx0.
>
> The following codes **do not** require that the MS2xx0 to be in scale program mode.

Retailix/NCR English



Scanner/Scale **Single Cable** RS232 Retailix/NCR Communication, English

Communication Port Settings:

- 9600 Baud
- 8 Data Bits
- 1 Stop Bit
- No Parity

Retailix/NCR Metric

Scanner/Scale **Single Cable** RS232 Retailix/NCR Comm, Metric

Communication Port Settings:

- 9600 Baud
- 8 Data Bits
- 1 Stop Bit
- No Parity

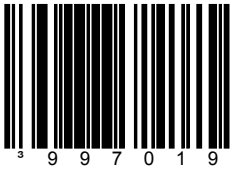
Single Cable Protocols for POS Compatibility

Retailix/OPOS

The following bar codes can be used to configure a **Single Cable** MS2xx0.

The following codes **do not** require that the MS2xx0 to be in scale program mode.

Retailix / OPOS Metric



Scanner/Scale **Single Cable** RS232 Retailix / OPOS Communication, Metric

Communication Port Settings:

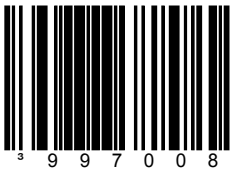
- 9600 Baud
- 8 Data Bits
- 1 Stop Bit
- No Parity

Single Cable Protocols for POS Compatibility

IT Retail

> The following bar codes can be used to configure a **Single Cable** MS2xx0.
>
> The following codes **do not** require that the MS2xx0 to be in scale program mode.

IT Retail, English

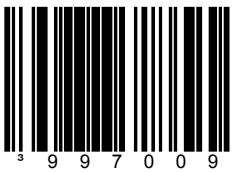


Scanner/Scale **Single Cable** RS232
IT Retail, English

Communication Port Settings:

- 9600 Baud
- 7 Data Bits
- 1 Stop Bit
- Odd Parity

IT Retail, Metric



Scanner/Scale **Single Cable** RS232
IT Retail, Metric

Communication Port Settings:

- 9600 Baud
- 7 Data Bits
- 1 Stop Bit
- Odd Parity

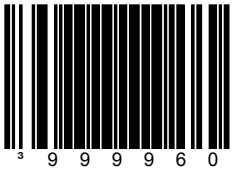
Single Cable Protocols for POS Compatibility

IBM 3rd Generation 46xx

The following bar codes can be used to configure a **Single Cable** MS2xx0.

The following codes **do not** require that the MS2xx0 to be in scale program mode.

IBM 3rd Generation 46xx, English†



Scanner/Scale **Single Cable**
IBM 46xx†, RS485,
English (lbs.)

† Terminal Configuration, IBM 4690.OS Terminal Device Group Configuration screen select:

#2 Scanner with integrated scale
or
#4 4696 scanner/scale

IBM 3rd Generation 46xx, Metric†

Scanner/Scale **Single Cable**
IBM 46xx†, RS485
Metric (kg)

Single Cable Protocols for POS Compatibility

IBM OEM Full Speed USB

The following bar codes can be used to configure a **Single Cable** MS2xx0.

The following codes **do not** require that the MS2xx0 to be in scale program mode.

IBM OEM
Full Speed USB, English

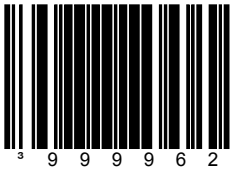


Table Top Scanner/Scale **Single Cable**,
IBM OEM Full Speed USB,
4-Digit Weight Mode, English (lbs.)

IBM OEM
Full Speed USB, Metric

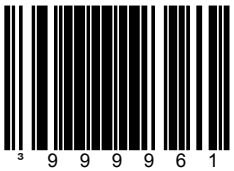


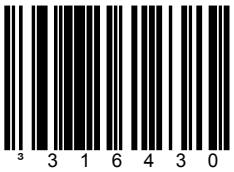
Table Top Scanner/Scale **Single Cable**,
IBM OEM Full Speed USB,
5-Digit Weight Mode, Metric (kg)

Additional POS Data Formatting

Full Speed USB Table Top/Handheld

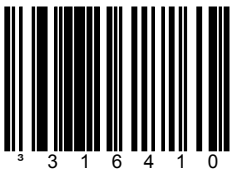
The following codes **do not** require that the MS2xx0 to be in scale program mode.

Scanner 4B Handheld



Full Speed USB interface to 4B00h handheld usage.

Scanner 4A Flatbed



Full Speed USB interface to 4A00h table top usage.

Additional POS Data Formatting

Full Speed USB Table Top/Handheld

The following codes **do not** require that the MS2xx0 to be in scale program mode.

Scanner/Scale 4A/6E Table Top

Full Speed USB interface to the 4A00h/6E00h table top scanner/scale usage.

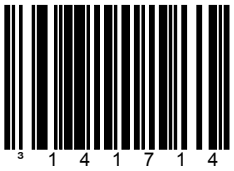
This option is only compatible with Stratos models that have a scale.

Additional POS Data Formatting

Special Function ACK

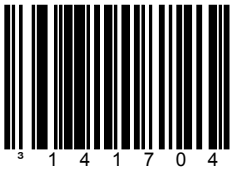
The following codes **do not** require that the MS2xx0 to be in scale program mode.

Enable Special Function ACK Answer



Answer simple special functions with ACK.

* Disable Special Function ACK



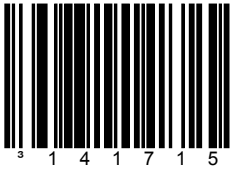
** Factory Default Setting*

Additional POS Data Formatting

Prefix/Suffix

> The following codes **do not** require that the MS2xx0 to be in scale program mode.

Use Protocol Prefix/Suffix



Add protocol prefixes and suffixes to the bar code.

* Program the Prefix/Suffix Separate

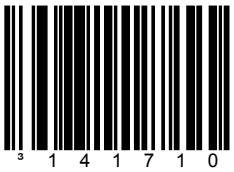
** Factory Default Setting*

Additional POS Data Formatting

3x-30 Acknowledge Responses

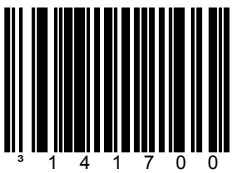
The following codes **do not** require that the MS2xx0 to be in scale program mode.

No 3x-30 Answer



This bar code will **inhibit** all 'simple acknowledge' (3x-30) answers to POS or OPOS commands.

***3x-30 Answer**



The scanner will answer all NCR and OPOS commands that require a 3x-30 acknowledgement.

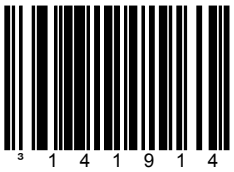
** Factory Default Setting*

Additional POS Data Formatting

Special Function Command Responses

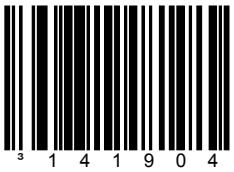
The following codes **do not** require that the MS2xx0 to be in scale program mode.

Spec Func Ans 3x30



Answer Special Function commands in the 3x-30 format as opposed to the Ack / Nak which is the norm.

*Spec Func Ans Ack



Answer Special Function commands in the Ack / Nak format.

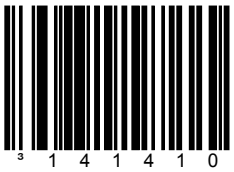
** Factory Default Setting*

Additional POS Data Formatting

BCC in POS communications

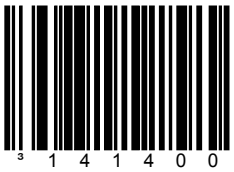
The following codes **do not** require that the MS2xx0 to be in scale program mode.

Skip BCC in messages



This bar code will tell the scanner to NOT expect or transmit the Block Check Character in all message transmissions..

*****Add BCC in messages



The scanner will expect and answer all messages with the Block Check Character included.

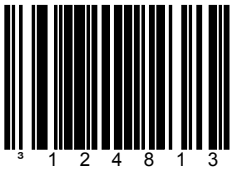
** Factory Default Setting*

Additional POS Data Formatting

3 Scale Status Bytes

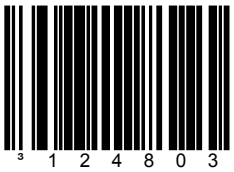
The following codes **do not** require that the MS2xx0 to be in scale program mode.

Enable
3 Scale Status Bytes



Required for applications where the host system display is the primary scale display and there is no remote pole display connected directly to the scanner/scale unit.

Disable
3 Scale Status Bytes

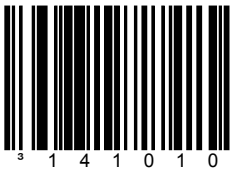


Additional POS Data Formatting

Scale Options

The following codes **do not** require that the MS2xx0 to be in scale program mode.

5-Digit Weight



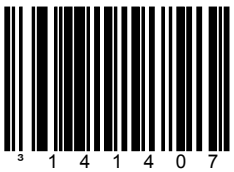
Sets the English Mode weight to 5-digits, as in xx.yyy pounds.

In order to work properly, this bar code must be scanned AFTER scanning one of the English configuration bar codes found on pages 22 - 29.

Scan the *No Scale bar* code:

1. If no scale is installed and one of the single cable protocol bar codes found on pages 22 - 29 has already been scanned.
2. If the scale is in a dual cable environment and one of the single cable protocol bar codes found on pages 22 - 29 has already been scanned.

No Scale

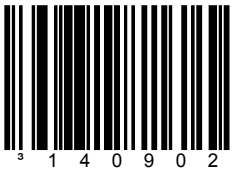


Additional POS Data Formatting

Remote Display

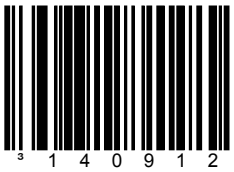
The following codes **do not** require that the MS2xx0 to be in scale program mode.

No Remote Display



When no remote display is installed, scan the *No Remote Display* bar code AFTER scanning one of the configuration bar codes found on pages 22 - 29 to remove the scale's display from the scanner memory.

Remote Display



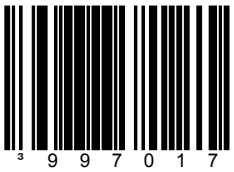
Add remote display to the **scanner's** memory.

Additional POS Data Formatting

StratosSTATS

The following codes **do not** require that the MS2xx0 to be in scale program mode.

Activate StratosSTATS

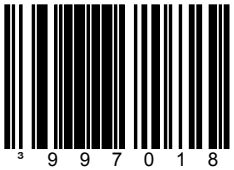


This bar code sets:

- StratosSTATS bar code data formatting active.
- Bar code Attempt Interval to 0.5 seconds.
- Time to find supplements (code 128) to 0.3 seconds.

Use StratosSTATS monitor to test this output format. When used with a POS, it must have the capability to parse and recognize the additional data.

*StratosSTATS Off



Remove StratosSTATS data formatting from the barcode output transmission.

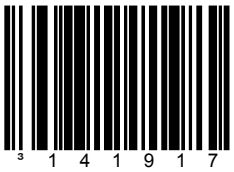
** Factory Default Setting*

Additional POS Related Functions

Scanner Beep on Weight Sent

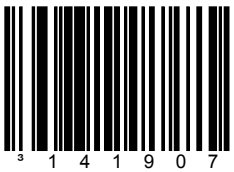
The following codes **do not** require that the MS2xx0 to be in scale program mode.

Beep on Weight



Request scanner beep when a successful weight is sent. This code should only be used for 'weight on demand' applications. If used with periodic weight request applications, the beeper will be continuously active (ON).

*****Disable
Beep on Weight



When no beep on weight is desired.

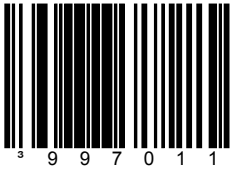
** Factory Default Setting*

Auxiliary Port

Stratos***SCHOOL***™

> The following codes **do not** require that the MS2xx0 to be in scale program mode.

Auxiliary History Report



The Auxiliary port may be used to download or clear data to Stratos***SCHOOL***™.

The two commands that can be used are Upload Scanner Data and Clear Scanner Data within the Serial Program Interface box on the Stratos***SCHOOL***™ screen.

Auxiliary Program Cable (MLPN 57-57008x-N-3) is required for this feature.

Auxiliary Port

Quick Start for a Secondary Metrologic Scanner

The following codes **do not** require that the MS2xx0 to be in scale program mode.

STEP 1

Use the **Stratos** to scan the following bar code. This bar code will configure the Stratos' auxiliary port to accept a Metrologic scanner as the secondary scanner.

Enable Stratos Auxiliary Port

The auxiliary input port's data format must match the main output format of the secondary scanner

STEP 2

Configure the secondary scanner to match the auxiliary port's data format. Use the **Secondary Scanner** to scan the following bar codes in the order shown.

Enter Configuration Mode

Enable Auxiliary Output

Auxiliary Port

Quick Start for a Secondary Metrologic Scanner

Configuration sequence continued from previous page.

Set Stratos Format

Disable Secondary Scanner Beeper

Enable Communication Time Out

Exit Configuration Mode

Supplemental Tests

Display Software Numbers

> The following codes **do not** require that the MS2xx0 to be in scale program mode.
>
> These codes are for test purposes only.

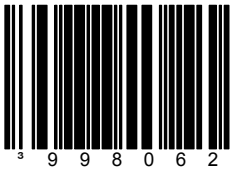
The following code will display software #'s on the 2-digit diagnostic display. The lasers will be turned off while the numbers are being displayed. The first number is the main decode processor software number. The second number is the I/O processor's software number. Since only 2 digits can be displayed at a time, the following sequence is used as an example of what may be observed:

2-Digit Display		Description of each sequentially displayed sets of digits. (Example shown will represent: ' 15269' ' 15138')
x 1	=	The first digit of the five main decode processor software number appears right justified.
5 2	=	The second and third digits.
6 9	=	The forth and fifth digits.
x x	=	Pause before next set of numbers.
x 1	=	The first digit of the five digit I/O processor software number appears right justified.
5 1	=	The second and third digits.
3 8	=	The forth and fifth digits.

x = *Blank / No Digit Displayed*

After the last sets of digits are displayed, the scanner resumes scanning operation. If the current interface does not use an I/O processor, the software number may appear ' 0 00 00'. This capability exists in software 15269 and later.

Display Software Number



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Metrologic Instruments, Inc. | **Worldwide Headquarters**
90 Coles Road | Blackwood, NJ 08012-4683 | info@metrologic.com
Telephone 856-228-8100 | Fax 856-228-6673

Asian Headquarters	European Headquarters	The Americas Headquarters
Tel. 65.6842.7155	Tel. 49.89.89019.0	Tel. 1.800.ID.METRO
info@sg.metrologic.com	info@eu.metrologic.com	info@us.metrologic.com

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